

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 7,026,484 B2  
APPLICATION NO. : 10/080926  
DATED : April 11, 2006  
INVENTOR(S) : Lin Zhi et al.

26  
Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

IN THE TITLE PAGES:

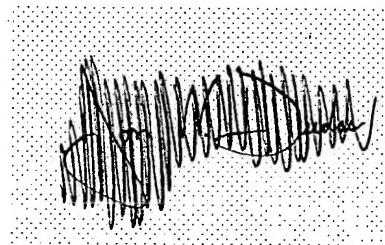
Item [56] References Cited, in OTHER PUBLICATIONS:  
in Yudin, please replace "Geterotsikicheskikh" with --Geterotsikicheskikh--  
in the first Yamashkin et al., please replace "Chemistry.of" with --Chemistry of--  
in Edwards, J., et al., please replace "(1999)" with --(1998)--  
in Boyer, M., please replace  
"http://www.australianprescriber.com/magazines/vol19no1/ap19-1-11.htm(accessed on Jan. 28, 2005." with --http://www.australianprescriber.com/magazines/vol19no1/ap19-1-11.htm (accessed on Jan. 28, 2005).--  
in Castillo, P., please replace "o-dihdroxyaromatic" with --o-dihydroxyaromatic--

Note  
This certificate supersedes certificate of correction

October 31, 2006.

Signed and Sealed this

WILHELM FRIEDRICH HANKE



Wilhelm Friedrich Hanke  
Patent and Trademark Office

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## Note

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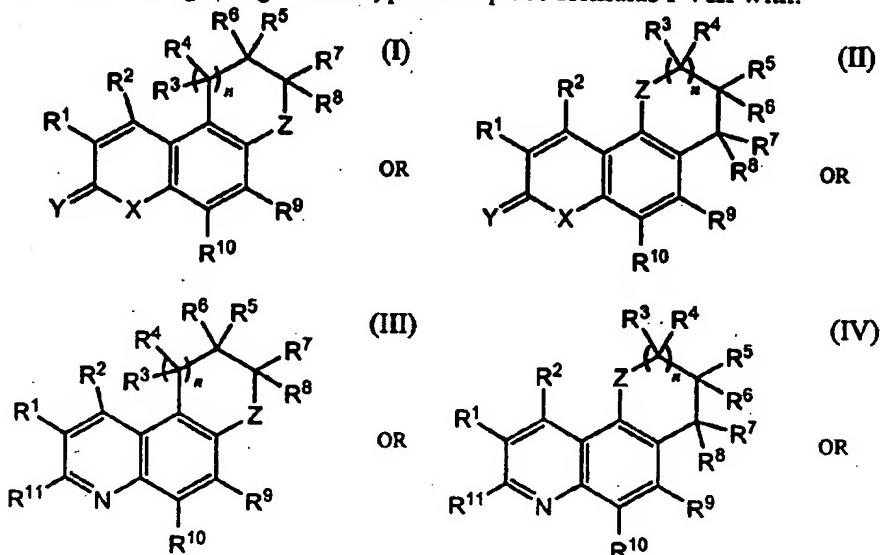
PATENT NO. : 7,026,484 B2  
DATED : APRIL 11, 2006  
INVENTOR(S) : LIN ZHI ET AL.

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

## **IN THE SPECIFICATION:**

**In column 2, beginning at line 7, please replace formulas I-VIII with:**



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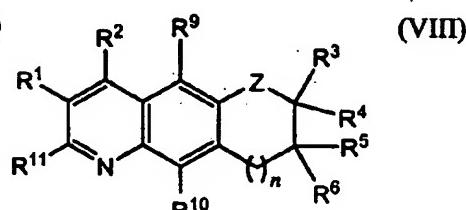
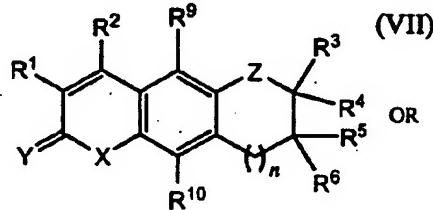
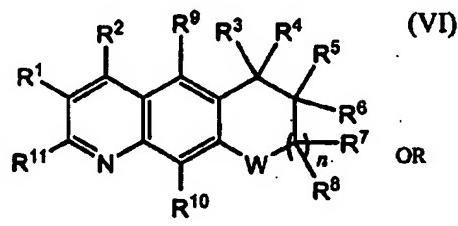
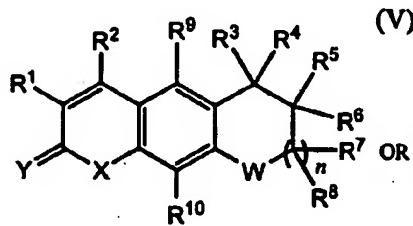
Note

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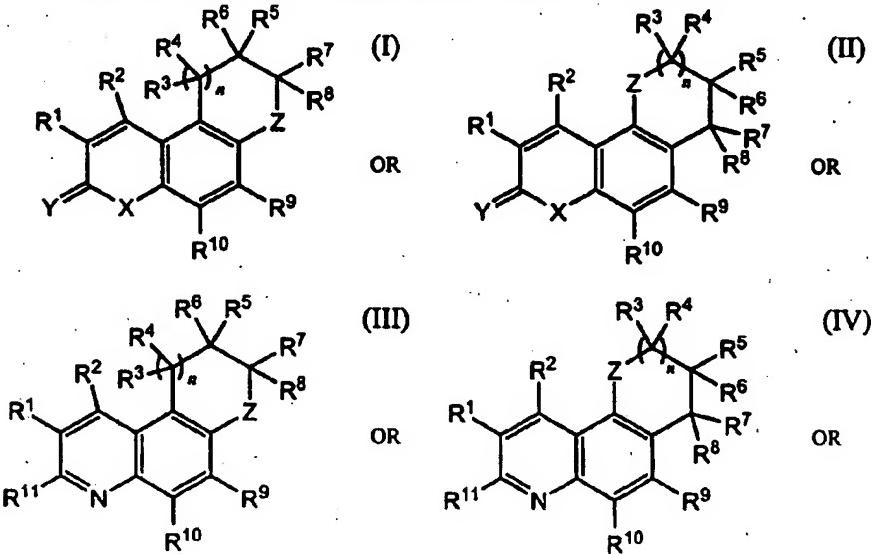
*Note*

PATENT NO. : 7,026,484 B2  
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*Page 4 of 26*

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

in column 7, beginning at line 15, please replace formulas I-VIII with:



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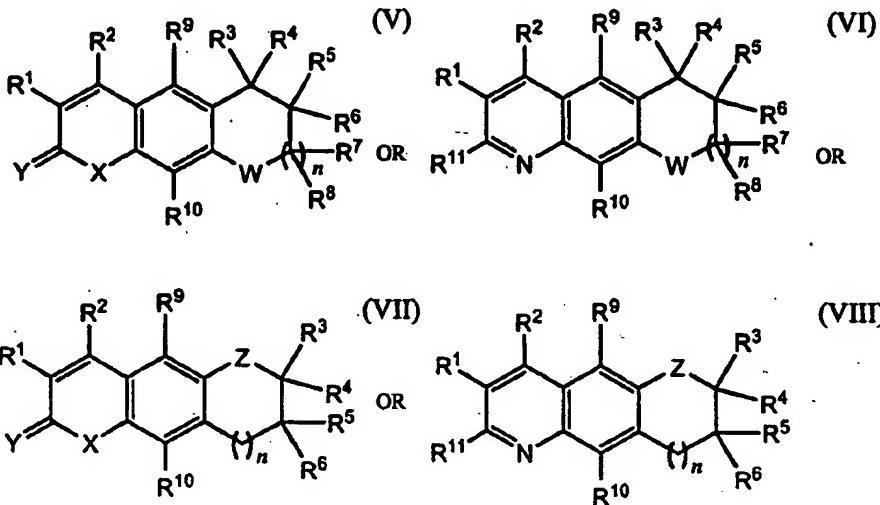
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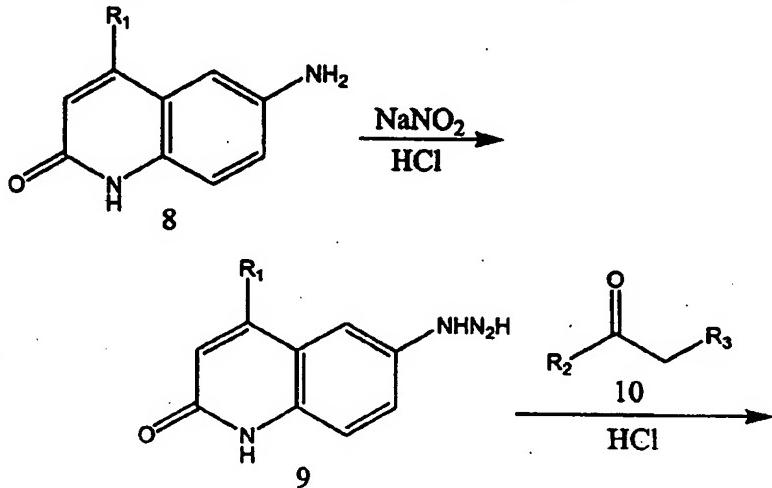
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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

in column 24, lines 53-67, please replace the structures in Scheme II with:



in column 57, lines 4-6, please replace  
 "(Compound 177, Structure 26 of Scheme IV, where R<sub>2</sub>=methyl, R<sub>3</sub>=2-hydroxyethyl)"  
 with —(Compound 177, Structure 26 of Scheme IV, where R<sub>2</sub>=methyl, R<sub>3</sub>=2-hydroxyethyl)—

in column 70, line 21, please replace "chloronation" with —chlorination—

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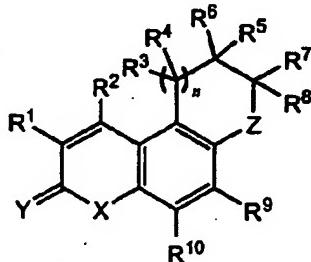
Page 7 of 26

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**IN THE CLAIMS:**

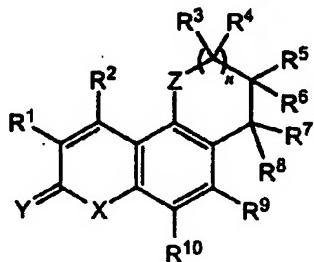
Please replace Claims 1, 4, 26, 28, 29, 30, 32, 33, 34, 42, 43, 50, 52, 53, and 60 with the following Claims:

1. A compound of the formula:



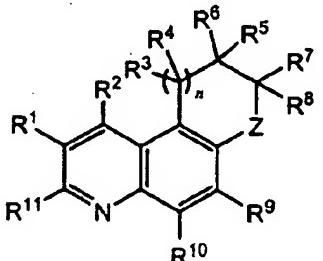
(I)

OR



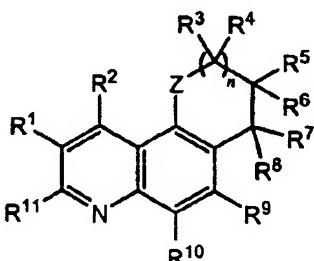
(II)

OR



(III)

OR



(IV)

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

wherein:

R<sup>1</sup> is selected from among hydrogen, F, Cl, Br, I, NO<sub>2</sub>, OR<sup>12</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, NR<sup>12</sup>R<sup>12</sup>, substituted C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl and C<sub>1</sub>-C<sub>8</sub> heteroalkyl, wherein the haloalkyl and heteroalkyl groups are optionally substituted;

R<sup>2</sup> is selected from among F, Cl, Br, I, CF<sub>3</sub>, CHF<sub>2</sub>, CH<sub>2</sub>F, CF<sub>2</sub>Cl, CN, CF<sub>2</sub>OR<sup>12</sup>, CH<sub>2</sub>OR<sup>12</sup>, OR<sup>12</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, substituted C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, C<sub>2</sub>-C<sub>8</sub> alkenyl and C<sub>2</sub>-C<sub>8</sub> alkynyl, wherein the haloalkyl, heteroalkyl, alkenyl and alkynyl groups are optionally substituted;

R<sup>3</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R<sup>4</sup> is selected from among hydrogen, F, Cl, Br, I, OR<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, C<sub>2</sub>-C<sub>8</sub> alkynyl, C<sub>2</sub>-C<sub>8</sub> alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted;

R<sup>5</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R<sup>6</sup> is selected from among hydrogen, F, Cl, Br, I, OR<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, C<sub>2</sub>-C<sub>8</sub> alkynyl, C<sub>2</sub>-C<sub>8</sub> alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted;

R<sup>7</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

R<sup>8</sup> is selected from among hydrogen, F, Cl, Br, I, OR<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, C<sub>2</sub>-C<sub>8</sub> alkynyl, C<sub>2</sub>-C<sub>8</sub> alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted; or

R<sup>3</sup> and R<sup>5</sup> taken together form a bond; or

R<sup>5</sup> and R<sup>7</sup> taken together form a bond; or

R<sup>4</sup> and R<sup>6</sup> taken together form a three- to eight-membered saturated or unsaturated carbocyclic ring, wherein the carbocyclic ring is optionally substituted; or

R<sup>6</sup> and R<sup>8</sup> taken together form a three- to eight-membered saturated or unsaturated carbocyclic ring, wherein the carbocyclic ring is optionally substituted;

R<sup>9</sup> and R<sup>10</sup> each independently is selected from among hydrogen, F, Cl, Br, I, CN, OR<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, C<sub>m</sub>(R<sup>12</sup>)<sub>2m</sub>OR<sup>13</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, NR<sup>12</sup>C(O)R<sup>13</sup>, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl and arylalkyl groups are optionally substituted;

R<sup>11</sup> is selected from among F, Br, Cl, I, CN, OR<sup>14</sup>, NR<sup>14</sup>R<sup>13</sup>, and SR<sup>14</sup>;

R<sup>12</sup> and R<sup>13</sup> each independently is selected from the group of hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, C<sub>2</sub>-C<sub>8</sub> alkenyl, C<sub>2</sub>-C<sub>8</sub> alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted;

R<sup>14</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, aryl, heteroaryl, C(O)R<sup>15</sup>, CO<sub>2</sub>R<sup>15</sup> and C(O)NR<sup>15</sup>R<sup>16</sup>, wherein the alkyl, haloalkyl, heteroalkyl, aryl and heteroaryl groups are optionally substituted;

R<sup>15</sup> and R<sup>16</sup> each independently is selected from among hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

W is O or S;  
X is N{R<sup>14</sup>};  
Y is selected from among O, S, N{R<sup>12</sup>} and NO{R<sup>12</sup>};  
Z is N{R<sup>12</sup>};  
n is 0; and  
m is 0 or 1;  
or a pharmaceutically acceptable salt thereof.

4. A compound according to claim 1, wherein R<sup>2</sup> is selected from among F, Cl, Br, CF<sub>3</sub>, CF<sub>2</sub>Cl, CF<sub>2</sub>H, CFH<sub>2</sub>, substituted C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, C<sub>1</sub>-C<sub>4</sub> heteroalkyl, C<sub>2</sub>-C<sub>4</sub> alkenyl and C<sub>2</sub>-C<sub>4</sub> alkynyl, wherein the haloalkyl, heteroalkyl, alkenyl and alkynyl groups are optionally substituted.

26. A compound according to claim 1, wherein:

R<sup>6</sup> and R<sup>8</sup> each independently is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> heteroalkyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, heteroaryl and aryl groups are optionally substituted; or

R<sup>6</sup> and R<sup>8</sup> taken together form a three to eight membered saturated or unsaturated carbocyclic ring, wherein the carbocyclic ring is optionally substituted.

28. A compound according to claim 1, wherein:

R<sup>1</sup> is selected from among hydrogen, F, Cl, Br, I, substituted C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the haloalkyl and heteroalkyl groups are optionally substituted;

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R<sup>2</sup> is selected from among F, Cl, Br, CF<sub>3</sub>, CF<sub>2</sub>Cl, CF<sub>2</sub>H, CFH<sub>2</sub>, substituted C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein haloalkyl and heteroalkyl groups are optionally substituted; and

R<sup>3</sup> and R<sup>4</sup> each independently is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.

29. A compound according to claim 28, wherein:

R<sup>5</sup> through R<sup>8</sup> each independently is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted; or

R<sup>6</sup> and R<sup>8</sup> taken together form a four to six membered saturated or unsaturated carbocyclic ring, wherein the carbocyclic ring is optionally substituted.

30. A compound according to claim 29, wherein:

R<sup>9</sup> and R<sup>10</sup> each independently is selected from among hydrogen, F, Cl, Br, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R<sup>12</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted; and

R<sup>14</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> heteroalkyl, C(O)R<sup>15</sup>, CO<sub>2</sub>R<sup>15</sup> and C(O)NR<sup>15</sup>R<sup>16</sup>, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.

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32. A compound according to claim 1, wherein said compound is selected from among:  
6-Methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-Isopropyl-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-Allyl-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-(4-Methoxyphenyl)-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-(3-Trifluoromethylphenyl)-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
4-Trifluoromethyl-5,6,7,8-tetrahydrocyclopentano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
4-Trifluoromethyl-5,6,7,8,9,10-hexahydrocycloheptano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-trifluoroethyl-4-trifluoromethylcyclopentano[g]pyrrolo-[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-ethyl-4-trifluoromethylcyclopentano-[g]pyrrolo[3,2-*f*]-quinolin-2(1*H*)-one;  
(±)-5,6-Dihydro-5,6-*cis*-dimethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]-quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-propyl-4-trifluoromethylcyclopentano-[g]pyrrolo-[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(3-furanyl methyl)-4-trifluoromethylcyclopentano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(3-thiophenemethyl)-4-trifluoromethylcyclopentano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(2-methylpropyl)-4-trifluoromethylcyclopentano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(2,2,2-chlorodifluoro-ethyl)-4-trifluoromethylcyclopentano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-cyclopropylmethyl-4-trifluoromethylcyclopentano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(2,2-dimethoxyethyl)-4-trifluoromethylcyclopentano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,8,8a(*cis*)-Hexahydro-9-(2,2,2-trifluoroethyl)-4-trifluoromethyl-9*H*-cyclohexano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,8,9a(*cis*),10-Octahydro-10-(2,2,2-trifluoroethyl)-4-trifluoromethylcycloheptano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-*cis*-Dihydro-6-ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-*cis*-Dihydro-5-butyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-*cis*-Dihydro-5-(4-nitrophenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-*cis*-Dihydro-5-(4-dimethylaminophenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-*cis*-Dihydro-5-(4-methoxyphenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-*cis*-Dihydro-5-(3-trifluoromethylphenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-*cis*-Dihydro-5-(4-fluorophenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

MAILING ADDRESS OF SENDER:

PATENT No. 7,026,484

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Note

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO. : 7,026,484 B2  
DATED : APRIL 11, 2006  
INVENTOR(S) : LIN ZHI ET AL.

Page 14 of 26

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(±)-5,6-Dihydro-5-phenyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]-quinolin-2(1*H*)-one;  
(±)-5,6-cis-Dihydro-5-(4-methoxyphenyl)-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]-quinolin-2(1*H*)-one;  
(±)-5,6-cis-Dihydro-5-(4-methoxyphenyl)-6-methyl-7-(2,2-dimethoxyethyl)-4-trifluoro-methyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-cis-Dihydro-5-isopropyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-Dihydro-5-ethyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo-[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-Dihydro-5-ethyl-6-propyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo-[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-Dihydro-5-(2-ethoxycarbonylethyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoro-methyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5,6-Dimethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
6-Methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
6-Ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-Ethyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-Ethyl-6-propyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5,6,7,8-Tetrahydro-8-(2,2,2-trifluoroethyl)-4-trifluoromethylcyclopentano[g]-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

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Note

PATENT NO. : 7,026,484 B2  
DATED : APRIL 11, 2006  
INVENTOR(S) : LIN ZHI ET AL.

Page 15 of 26

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

8-Trifluoroethyl-4-trifluoromethyl-6,8-dihydrocyclopentano[*g*]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
9-Trifluoroethyl-4-trifluoromethyl-9*H*-benzo[*g*]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-(3-Trifluoromethylphenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-(4-Fluorophenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-(2-Ethoxycarbonylethyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-Hydroxymethyl-6-ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-Methyl-6-(1-hydroxyethyl)-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-Methyl-6-acetyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-Formyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-Acetyloxymethyl-6-ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
2-Acetyloxy-5-hydroxymethyl-6-ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinoline;  
6-Ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-Ethoxymethyl-6-ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

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NOTE  
PATENT NO. : 7,026,484 B2  
DATED : APRIL 11, 2008  
INVENTOR(S) : LIN ZHI ET AL.

Page 16 of 26

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(+)-6-(1-Methoxyethyl)-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
7-Allyl-6-methyl-4-trifluoromethyl-5*H*-pyrrolo[2,3-*f*]quinolin-2(1*H*)-one;  
6-Ethyl-7-methyl-4-trifluoromethyl-5*H*-pyrrolo[2,3-*f*]quinolin-2(1*H*)-one;  
7-(3-Trifluoromethylphenyl)-6-methyl-4-trifluoromethyl-5*H*-pyrrolo[2,3-*f*]quinolin-2(1*H*)-one;  
7-(2-Hydroxyethyl)-6-methyl-4-trifluoromethyl-5*H*-pyrrolo[2,3-*f*]quinolin-2(1*H*)-one;  
(+)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(2,2,2-trifluoroethyl)-4-trifluoromethyl-cyclopentano-[g]-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(-)4c,5,6,7,7a(*cis*),8-Hexahydro-8-(2,2,2-trifluoroethyl)-4-trifluoromethylcyclopentano-[g]-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-Dihydro-6-hydroxymethyl-4-trifluoromethylpyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
(±)-5,6-Dihydro-7-ethyl-6-hydroxymethyl-4-trifluoromethylpyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
5-Methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethylpyrrolo[3,2-*f*]quinolin-2(1*H*)-one;  
6-Formyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one; and  
5,6-Dimethyl-7-(2,2-difluorovinyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one.

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PATENT NO. : 7,026,484 B2  
DATED : APRIL 11, 2008  
INVENTOR(S) : LIN ZHI ET AL.

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

33. A compound according to claim 1, wherein said compound is selected from the group consisting of:  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(2,2,2-trifluoroethyl)-4-trifluoromethylcyclopentano-[g]pyrrolo-[3,2-f]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-ethyl-4-trifluoromethylcyclopentano-[g]pyrrolo-[3,2-f]-quinolin-2(1*H*)-one;  
(±)-5,6-Dihydro-5,6-*cis*-dimethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-f]-quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-propyl-4-trifluoromethylcyclopentano-[g]pyrrolo-[3,2-f]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(2,2,2-chlorodifluoroethyl)-4-trifluoromethylcyclopentano-[g]pyrrolo[3,2-f]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-cyclopropylmethyl-4-trifluoromethyl-cyclopentano[g]-pyrrolo[3,2-f]quinolin-2(1*H*)-one;  
(±)-4c,5,6,7,8,8a(*cis*)-Hexahydro-9-(2,2,2-trifluoroethyl)-4-trifluoromethyl-9*H*-cyclohexano[g]pyrrolo[3,2-f]quinolin-2(1*H*)-one;  
(±)-5,6-*cis*-Dihydro-6-ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-f]quinolin-2(1*H*)-one;  
(±)-5,6-*cis*-Dihydro-5-butyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-f]quinolin-2(1*H*)-one;  
(±)-5,6-Dihydro-5-ethyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-f]quinolin-2(1*H*)-one;  
(±)-5,6-Dihydro-5-ethyl-6-propyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-f]quinolin-2(1*H*)-one;

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PATENT NO. : 7,026,484 B2  
DATED : APRIL 11, 2008  
INVENTOR(S) : LIN ZHI ET AL.

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(±)-5,6-cis-Dihydro-5-methyl-6-ethyl-7-(2,2,2-trifluoroethyl)-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;  
5,6-Dimethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;  
6-Methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;  
6-Ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;  
5-Ethyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;  
5,6,7,8-Tetrahydro-8-trifluoroethyl-4-trifluoromethylcyclopentano[g]pyrrolo[3,2-f]-quinolin-2(1H)-one;  
6-Ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;  
(+)-4c,5,6,7,7a(cis),8-Hexahydro-8-(2,2,2-trifluoroethyl)-4-trifluoromethyl-cyclopentano-[g]-pyrrolo[3,2-f]quinolin-2(1H)-one; and  
(-)4c,5,6,7,7a(cis),8-Hexahydro-8-(2,2,2-trifluoroethyl)-4-trifluoromethylcyclopentano-[g]pyrrolo[3,2-f]quinolin-2(1H)-one.

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Note

PATENT NO. : 7,026,484 B2

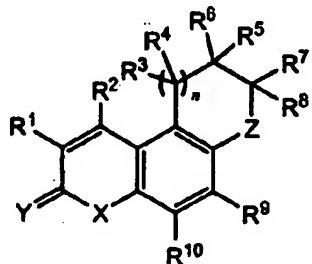
Page 19 of 26

DATED : APRIL 11, 2008

INVENTOR(S) : LIN ZHI ET AL.

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

34. A pharmaceutical composition, comprising:  
 a pharmaceutically acceptable carrier; and  
 a compound of formula:

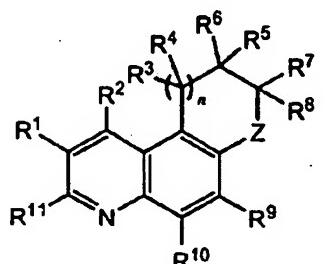


(I)

(II)

OR

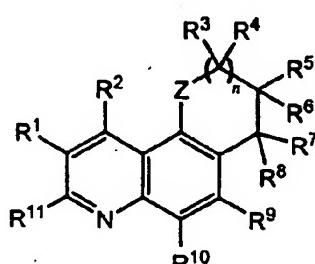
OR



(III)

(IV)

OR



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PATENT NO. : 7,026,484 B2  
DATED : APRIL 11, 2006  
INVENTOR(S) : LIN ZHI ET AL.

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

wherein:

R<sup>1</sup> is selected from among hydrogen, F, Cl, Br, I, NO<sub>2</sub>, OR<sup>12</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl and C<sub>1</sub>-C<sub>8</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R<sup>2</sup> is selected from among F, Cl, Br, I, CF<sub>3</sub>, CHF<sub>2</sub>, CH<sub>2</sub>F, CF<sub>2</sub>Cl, CN, CF<sub>2</sub>OR<sup>12</sup>, CH<sub>2</sub>OR<sup>12</sup>, OR<sup>12</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, substituted C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, C<sub>2</sub>-C<sub>8</sub> alkenyl and C<sub>2</sub>-C<sub>8</sub> alkynyl, wherein the haloalkyl, heteroalkyl, alkenyl and alkynyl groups are optionally substituted;

R<sup>3</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R<sup>4</sup> is selected from among hydrogen, F, Cl, Br, I, OR<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, C<sub>2</sub>-C<sub>8</sub> alkynyl, C<sub>2</sub>-C<sub>8</sub> alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted;

R<sup>5</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R<sup>6</sup> is selected from among hydrogen, F, Cl, Br, I, OR<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, C<sub>2</sub>-C<sub>8</sub> alkynyl, C<sub>2</sub>-C<sub>8</sub> alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted;

R<sup>7</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

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CERTIFICATE OF CORRECTION**

PATENT NO. : 7,026,484 B2  
DATED : APRIL 11, 2006  
INVENTOR(S) : LIN ZHI ET AL.

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

R<sup>8</sup> is selected from among hydrogen, F, Cl, Br, I, OR<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, C<sub>2</sub>-C<sub>8</sub> alkynyl, C<sub>2</sub>-C<sub>8</sub> alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted; or

R<sup>3</sup> and R<sup>5</sup> taken together form a bond; or

R<sup>5</sup> and R<sup>7</sup> taken together form a bond; or

R<sup>4</sup> and R<sup>6</sup> taken together form a three- to eight-membered saturated or unsaturated carbocyclic ring, wherein the carbocyclic ring is optionally substituted; or

R<sup>6</sup> and R<sup>8</sup> taken together form a three- to eight-membered saturated or unsaturated carbocyclic ring, wherein the carbocyclic ring is optionally substituted;

R<sup>9</sup> and R<sup>10</sup> each independently is selected from among hydrogen, F, Cl, Br, I, CN, OR<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, C<sub>m</sub>(R<sup>12</sup>)<sub>2m</sub>OR<sup>13</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, NR<sup>12</sup>C(O)R<sup>13</sup>, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl and arylalkyl groups are optionally substituted;

R<sup>11</sup> is selected from among hydrogen, F, Br, Cl, I, CN, OR<sup>14</sup>, NR<sup>14</sup>R<sup>13</sup> and SR<sup>14</sup>;

R<sup>12</sup> and R<sup>13</sup> each independently is selected from among hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, C<sub>2</sub>-C<sub>8</sub> alkenyl, C<sub>2</sub>-C<sub>8</sub> alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted;

R<sup>14</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, aryl, heteroaryl, C(O)R<sup>15</sup>, CO<sub>2</sub>R<sup>15</sup> and C(O)NR<sup>15</sup>R<sup>16</sup>, wherein the alkyl, haloalkyl, heteroalkyl, aryl and heteroaryl groups are optionally substituted;

R<sup>15</sup> and R<sup>16</sup> each independently is selected from among hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

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Note

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO. : 7,026,484 B2  
DATED : APRIL 11, 2008  
INVENTOR(S) : LIN ZHI ET AL.

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

W is O or S;  
X is N{R<sup>14</sup>};  
Y is selected from among O, S, N{R<sup>12</sup>} and N{OR<sup>12</sup>};  
Z is N{R<sup>12</sup>};  
n is 0; and  
m is 0 or 1;  
or a pharmaceutically acceptable salt thereof.

42. A pharmaceutical composition according to claim 34, wherein R<sup>11</sup> is selected from among F, Cl, CN, OR<sup>14</sup>, NR<sup>14</sup>R<sup>13</sup> and SR<sup>14</sup>.

43. A pharmaceutical composition according to claim 42, wherein R<sup>11</sup> is selected from among F, Cl, OR<sup>14</sup>, SR<sup>14</sup> and NR<sup>14</sup>R<sup>13</sup>.

50. A pharmaceutical composition according to claim 49, wherein:  
R<sup>5</sup> through R<sup>8</sup> each independently is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted; or

R<sup>6</sup> and R<sup>8</sup> taken together form a four to six membered saturated or unsaturated carbocyclic ring, wherein the carbocyclic ring is optionally substituted.

52. A pharmaceutical composition according to claim 51, wherein Y is O or S.

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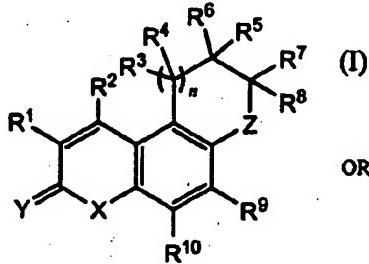
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PATENT NO. : 7,026,484 B2  
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 INVENTOR(S) : LIN ZHI ET AL.

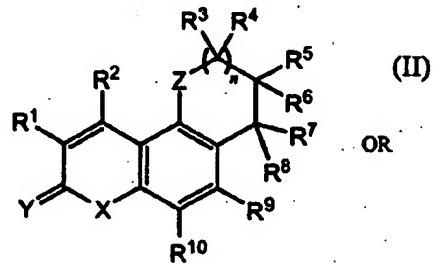
Page 23 of 26

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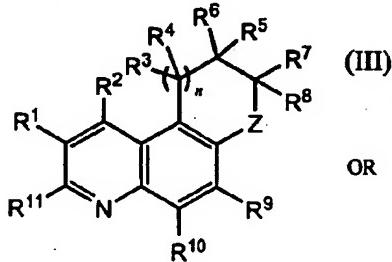
53. A compound of formula:



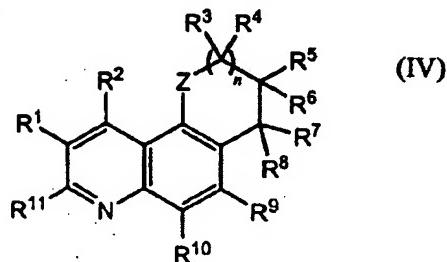
OR



OR



OR



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DATED : APRIL 11, 2008  
INVENTOR(S) : LIN ZHI ET AL.

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

wherein:

R<sup>1</sup> is selected from among hydrogen, F, Cl, Br, I, NO<sub>2</sub>, OR<sup>12</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, NR<sup>12</sup>R<sup>12</sup>, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl and C<sub>1</sub>-C<sub>8</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R<sup>2</sup> is selected from among F, Cl, Br, CF<sub>3</sub>, CHF<sub>2</sub>, CH<sub>2</sub>F, CF<sub>2</sub>Cl, CF<sub>2</sub>OR<sup>12</sup>, CH<sub>2</sub>OR<sup>12</sup>, OR<sup>12</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, substituted C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the haloalkyl, and heteroalkyl groups are optionally substituted;

R<sup>3</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R<sup>4</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R<sup>5</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R<sup>6</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> heteroalkyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, heteroaryl and aryl groups are optionally substituted;

R<sup>7</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R<sup>8</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> heteroalkyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, heteroaryl and aryl groups are optionally substituted; or

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PATENT NO. : 7,026,484 b2  
DATED : APRIL 11, 2006  
INVENTOR(S) : LIN ZHI ET AL.

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

R<sup>3</sup> and R<sup>5</sup> taken together form a bond; or

R<sup>5</sup> and R<sup>7</sup> taken together form a bond; or

R<sup>4</sup> and R<sup>6</sup> taken together form a three- to eight-membered saturated or unsaturated carbocyclic ring, wherein the carbocyclic ring is optionally substituted; or

R<sup>6</sup> and R<sup>8</sup> taken together form a three- to eight-membered saturated or unsaturated carbocyclic ring, wherein the carbocyclic ring is optionally substituted;

R<sup>9</sup> and R<sup>10</sup> each independently is selected from among hydrogen, F, Cl, Br, I, CN, OR<sup>12</sup>, NR<sup>12</sup>R<sup>13</sup>, C<sub>m</sub>(R<sup>12</sup>)<sub>2m</sub>OR<sup>13</sup>, SR<sup>12</sup>, SOR<sup>12</sup>, SO<sub>2</sub>R<sup>12</sup>, NR<sup>12</sup>C(O)R<sup>13</sup>, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl and arylalkyl groups are optionally substituted;

R<sup>11</sup> is selected from among F, Br, Cl, I, CN, OR<sup>14</sup>, NR<sup>14</sup>R<sup>13</sup> and SR<sup>14</sup>;

R<sup>12</sup> and R<sup>13</sup> each independently is selected from among hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, C<sub>2</sub>-C<sub>8</sub> alkenyl, C<sub>2</sub>-C<sub>8</sub> alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted;

R<sup>14</sup> is selected from among hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, aryl, heteroaryl, C(O)R<sup>15</sup>, CO<sub>2</sub>R<sup>15</sup> and C(O)NR<sup>15</sup>R<sup>16</sup>, wherein the alkyl, haloalkyl, heteroalkyl, aryl and heteroaryl groups are optionally substituted;

R<sup>15</sup> and R<sup>16</sup> each independently is selected from among hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> haloalkyl, C<sub>1</sub>-C<sub>8</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

W is O or S;

X is N{R<sup>14</sup>};

Y is selected from the group of O, S, N{R<sup>12</sup>} and NO{R<sup>12</sup>};

Z is N{R<sup>12</sup>};

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It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

n is 0; and  
m is 0 or 1;  
or a pharmaceutically acceptable salt thereof.

60. A compound according to claim 34, wherein:

R<sup>5</sup> and R<sup>7</sup> each independently is selected from among hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl and C<sub>1</sub>-C<sub>6</sub> heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted; or

R<sup>5</sup> and R<sup>7</sup> taken together form a bond.

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